

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named
Inventor : Bruce F. Field et al.

Appln. No. : Filed Herewith

Filed : Filed Herewith

For : CHEMICAL DISPENSING METHOD
FOR A HARD SURFACE CLEANER

Docket No.: T31.12-0013

Group Art Unit:
Examiner:

PETITION TO MAKE SPECIAL

Commissioner for Patents
Washington, D.C. 20231

I HEREBY CERTIFY THAT THIS PAPER IS BEING
SENT BY U.S. MAIL, FIRST CLASS, TO THE
ASSISTANT COMMISSIONER FOR PATENTS,
WASHINGTON, D.C. 20231, THIS

5TH DAY OF JANUARY, 2000.


PATENT ATTORNEY

Pursuant to 37 C.F.R. §1.102 and M.P.E.P. §708.02, the Applicant petitions that the above referenced application be accorded "special" status. A Statement by Applicant Bruce F. Field accompanies this Petition. The Statement describes how the invention contributes to the restoration or maintenance of water resources.

No fee is required for such a petition. See 37 C.F.R. §1.102(c).

Please direct any questions of comments regarding this application to Brian D. Kaul (612) 330-0592.

Respectfully submitted,

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By: 

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STATEMENT

Commissioner for Patents
Washington, D.C. 20231

Pursuant to 37 C.F.R. §1.102 and M.P.E.P. §708.02, and in support of the petition to accord "special" status to the above identified application, the undersigned states the following:

1. The undersigned is an applicant of the above identified application;
2. The invention contributes to the restoration or maintenance of the basic life-sustaining natural elements, i.e., air, water, and soil.
3. More particularly, the invention contributes to the restoration or maintenance of water resources.
4. The invention is related to an improved method of cleaning surfaces, such as floors, and a device for performing the method of cleaning.
5. Prior art methods of cleaning surfaces have typically utilized a water-based cleaning solution which contain one or more chemicals, such as detergents, etc. at a predetermined concentration.
6. Prior art methods having utilized relatively large amounts of water and/or cleaning solution to thoroughly wet the surface during a cleaning process.

7. The invention is directed to a chemical dispenser for use in a hard floor surface that provides a substantially constant flow of cleaning agent that can be combined with one or more primary cleaning liquid components to form a cleaning liquid that is applied to the hard floor surface.
8. The invention allows for substantially less cleaning solution to be used in cleaning operations as compared to prior art methods.
9. Substantial reductions in the amount of water required to perform the improved cleaning process have also been realized. Solution usage rates of 0.2 gallons per minute have yielded acceptable results. In comparison, prior art scrubbing machines of similar size often utilize approximately 1 gallon per minute. As water is the primary component of the cleaning solution, the improved process promotes an efficient use of water.
10. An even greater reduction in the amount of cleaning detergents or chemicals has been realized as a result of the invention. In one test a 220% reduction in the amount of cleaning chemicals yielded satisfactory results in comparison to known cleaning process. The substantial reduction in the amount of chemicals used in a floor surface cleaning process of the present invention contributes to the maintenance of water resources.
11. The invention contributes to the maintenance of water resources by reducing the amount of water required to perform a cleaning process and by limiting the amount of detergents or other chemicals which may ultimately be introduced into the ecology.

Bruce F. Field of Tennant Company

Dated:

1/5/04


